Atty. Docket No. YOR920000737US1
(590.033)

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application. No amendments to the claims are made herein.

Listing of Claims:

1. (Previously Presented) A method for providing statistical parsing of speech and/or linguistic data, said method comprising the steps of:

providing a statistical parser, the statistical parser including a statistical model which decodes at least one type of input; and

adapting the statistical model via employing a mathematical transform.

2. (Original) The method according to Claim 1, wherein said step of adapting the statistical model comprises adapting the statistical model via employing a Markov transform.

3. (Original) The method according to Claim 2, wherein said step of providing a statistical parser comprises assigning to the statistical model, prior to said adapting step, a probability mass function.

4. (Original) The method according to Claim 3, wherein said step of assigning a probability mass function comprises writing a probability mass function as a row vector.

5. (Original) The method according to Claim 4, wherein said step of adapting the statistical model comprises right-multiplying the row vector by a Markov matrix.

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6. **(Original)** The method according to Claim 2, wherein said step of adapting the statistical model comprises choosing a Markov matrix such that the log probability of given material is maximized.

7. **(Original)** The method according to Claim 2, wherein said step of adapting the statistical model comprises unsupervised adaptation.

8. **(Original)** The method according to Claim 7, wherein said step of adapting the statistical model comprises employing decoded parses of test material.

9. **(Original)** The method according to Claim 2, wherein said step of adapting the statistical model comprises supervised adaptation.

10. **(Original)** The method according to Claim 9, wherein said step of adapting the statistical model comprises employing adaptation material.

11. **(Original)** The method according to Claim 2, wherein said step of providing a statistical parser comprises providing a statistical model which decodes linguistic input.

12. **(Original)** The method according to Claim 2, wherein said step of providing a statistical parser comprises providing a statistical model which decodes speech input in speech recognition.

13. **(Previously Presented)** An apparatus for providing statistical parsing of speech and/or linguistic data, said apparatus comprising:

a statistical parser;

said statistical parser including a statistical model which decodes at least one type

of input; and

an adapter which adapts the statistical model via employing a mathematical

transform.

14. **(Original)** The apparatus according to Claim 13, wherein the mathematical

transform employed by said adapter comprises a Markov transform.

15. **(Original)** The apparatus according to Claim 14, wherein the statistical

model is assigned, prior to adaptation, a probability mass function.

16. **(Original)** The apparatus according to Claim 15, wherein the probability

mass function is written as a row vector.

17. **(Previously Presented)** The apparatus according to Claim 16, wherein said

adapter is configured for right-multiplying said row vector by a Markov matrix.

18. **(Previously Presented)** The apparatus according to Claim 14, wherein said

adapter is configured for choosing a Markov matrix such that the log probability of given

material is maximized.

19. **(Original)** The apparatus according to Claim 14, wherein said adapter is

configured to perform unsupervised adaptation.

20. **(Original)** The apparatus according to Claim 19, wherein said adapter is

configured to employ decoded parses of test material.

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21. **(Original)** The apparatus according to Claim 14, wherein said adapter is configured to perform supervised adaptation.

22. **(Original)** The apparatus according to Claim 21, wherein said adapter is configured to employ adaptation material.

23. **(Original)** The apparatus according to Claim 14, wherein the statistical model decodes linguistic input.

24. **(Original)** The apparatus according to Claim 14, wherein the statistical model decodes speech input in speech recognition.

25. **(Previously Presented)** A program storage device readable by machine, tangibly embodying a program of instructions executable by the machine to perform method steps for providing statistical parsing of speech and/or linguistic data, said method comprising the steps of:

providing a statistical parser, the statistical parser including a statistical model which decodes at least one type of input; and

adapting the statistical model via employing a mathematical transform.

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